PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PU60603	FOR FURTHER ACTION	See item 4 below				
International application No. PCT/US2004/040667	International filing date (day/month/year) 03 December 2004 (03.12.2004)	Priority date (day/month/year) 03 December 2003 (03.12.2003)				
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237						
Applicant GLAXO GROUP LIMITED						

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).					
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	 This report contains indications relating to the following items: 					
	Box No. I Basis of the report					
	Box No. II Priority					
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
ŀ	Box No. VI	Certain documents cited				
ł	Box No. VII	Certain defects in the international application				
	Box No. VIII	Certain observations on the international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
			Date of issuance of this report 07 June 2006 (07.06.2006)			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		lombettes	Authorized officer Dorothée Mülhausen			
	Facsimile No. +41 22 740 14 35 Telephone No. +41 22 338 87 40					
Form PCT/IB/373 (January 2004)						

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: SOMA G. SIMON

GLAXOSMITHKLINE CORPORATE INTELLECTUAL PROPERTY UW 2220 709 SWEDELAND ROAD, PO BOX 1539 KING OF PRUSSIA, PA 19406-0939			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)			
			Date of mailing (day/month/year)	12 JUL 2005		
Applicant's or agent's file reference			FOR FURTHER ACTION See paragraph 2 below			
PU60603			(day/month/year)	Priority date (day/month/year)		
International application No. International filing date						
PCT/US04/40667	sification (IPC)	03 December 2004 (03 or both national classifications)				
		1/68 and US CL: 514/317				
Applicant	,01 <u>D D1200, ==</u>					
GALAXO GROUP LIN	IITED					
	. 11. 41	lating to the following ite	ms:			
		lating to the following ite		ì		
Box No. I	Basis of th	e opinion				
Box No. II	Priority			and a second sec		
Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV	Box No. IV Lack of unity of invention					
Box No. V	Reasoned applicabil	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement				
Box No. V	Box No. VI Certain documents cited					
Box No. V	Box No. VII Certain defects in the international application					
Box No. V	Box No. VIII Certain observations on the international application					
2 ETIPTHER AC	TION					
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPBA") except that this does not apply where the applicant chooses an International Preliminary Examining Authority ("IPBA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.						
For further options, see Form PCT/ISA/220.						
3. For further details, see notes to Form PCT/ISA/220.						
Name and mailing address of the ISA/US Mail Stop PCT, Athr. ISA/US Commissioner for Patents P.O. Box 1450 Aloxandria, Virginia 22313-1450 Aloxandria, Virginia 22313-1450 Aloxandria, Virginia 22313-1450 Aloxandria, Virginia 22313-1450						
Facsimile No. (703) 305-3230						

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/40667

 With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: type of material a sequence listing table(s) related to the sequence listing format of material
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(6) related to the sequence listing
 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing
a sequence listing table(s) related to the sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/40667

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims	1-14	YES		
Noverty (N)		NONE	NONO		
Inventive step (IS)	Claims	NONE	YES		
m value vo stop (25)	•	1-14	NO		
Industrial applicability (IA)	Claims	1-14	YES		
	Claims	NONE	NO		
Claims 1-14 lack an inventive step under PCT Article references teach compounds that are similar to the ins muscarinic acetylcholine receptor. Claims 1-14 meet the criteria set out in PCT Article 3 use. Claims 1-14 meet the criteria set out in PCT Article 3 be made or used in industry.	damly claimed	the prior art does not teach the instantly	claimed compounds or their		